FACULTY OF TECHNOLOGY AND ENGINEERING

DEVANG PATEL INSTITUTE OF ADVANCE TECHNOLOGY AND RESEARCH

DEPARTMENT OF COMPUTER ENGINEERING

A.Y. 2023-24 [EVEN]

LAB MANUAL

CE266: SOFTWARE ENGINEERING

Prepared by:

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Guided by:

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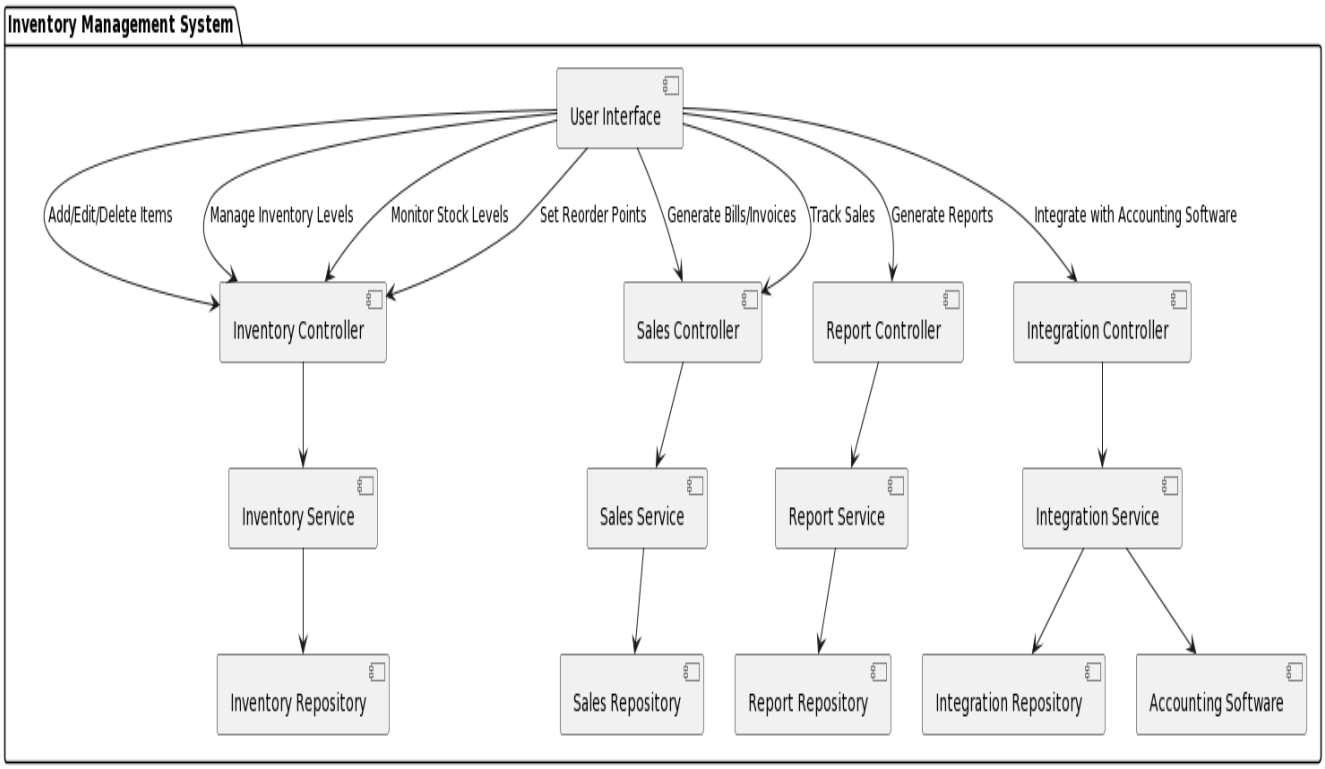
PRACTICAL – 7

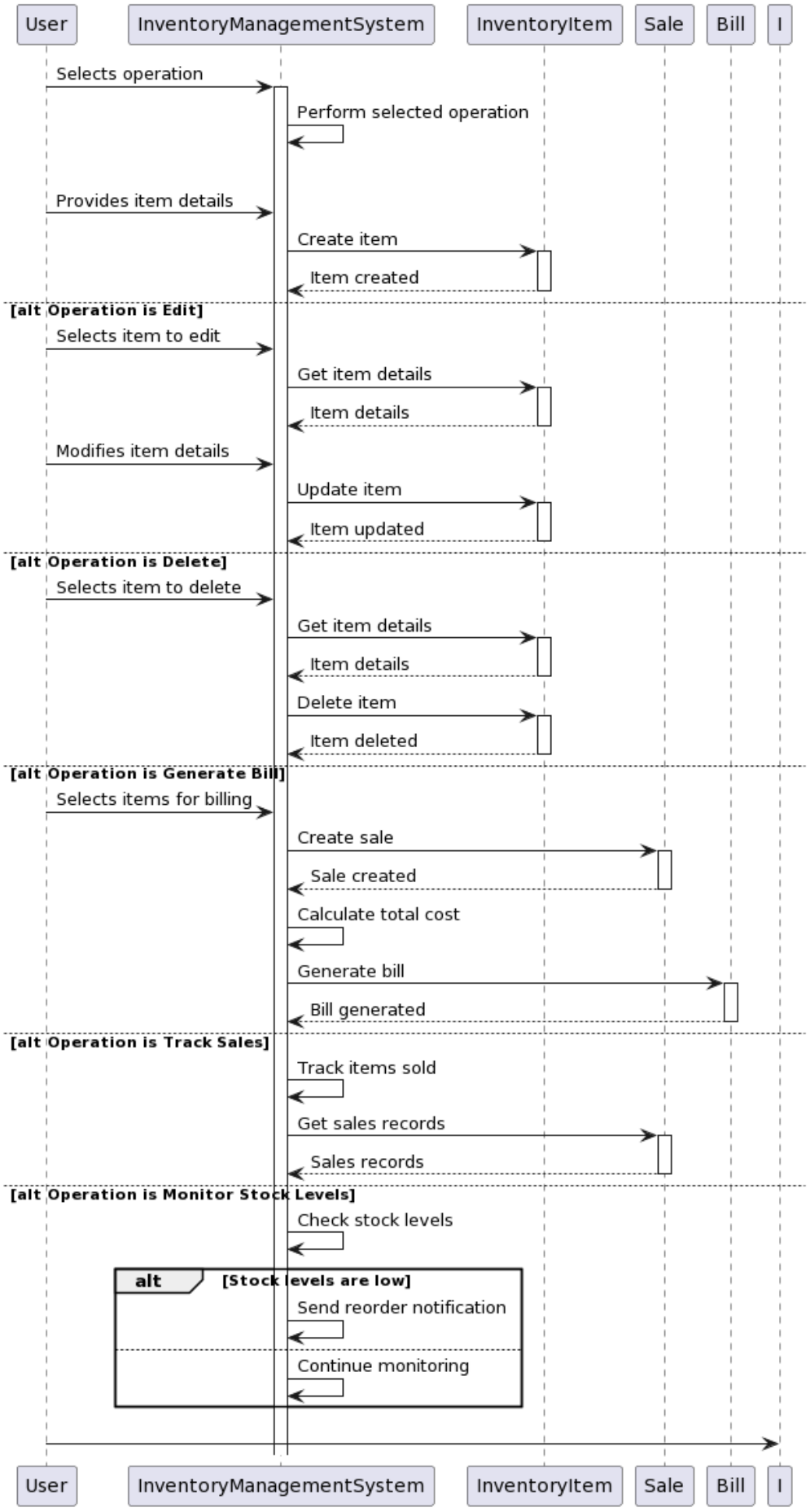
AIM:

Prepare design document for your project (SmartDraw, Vision 2007) using Object oriented methodology (UML-Class, Activity, State chart, Sequence, Collaboration).

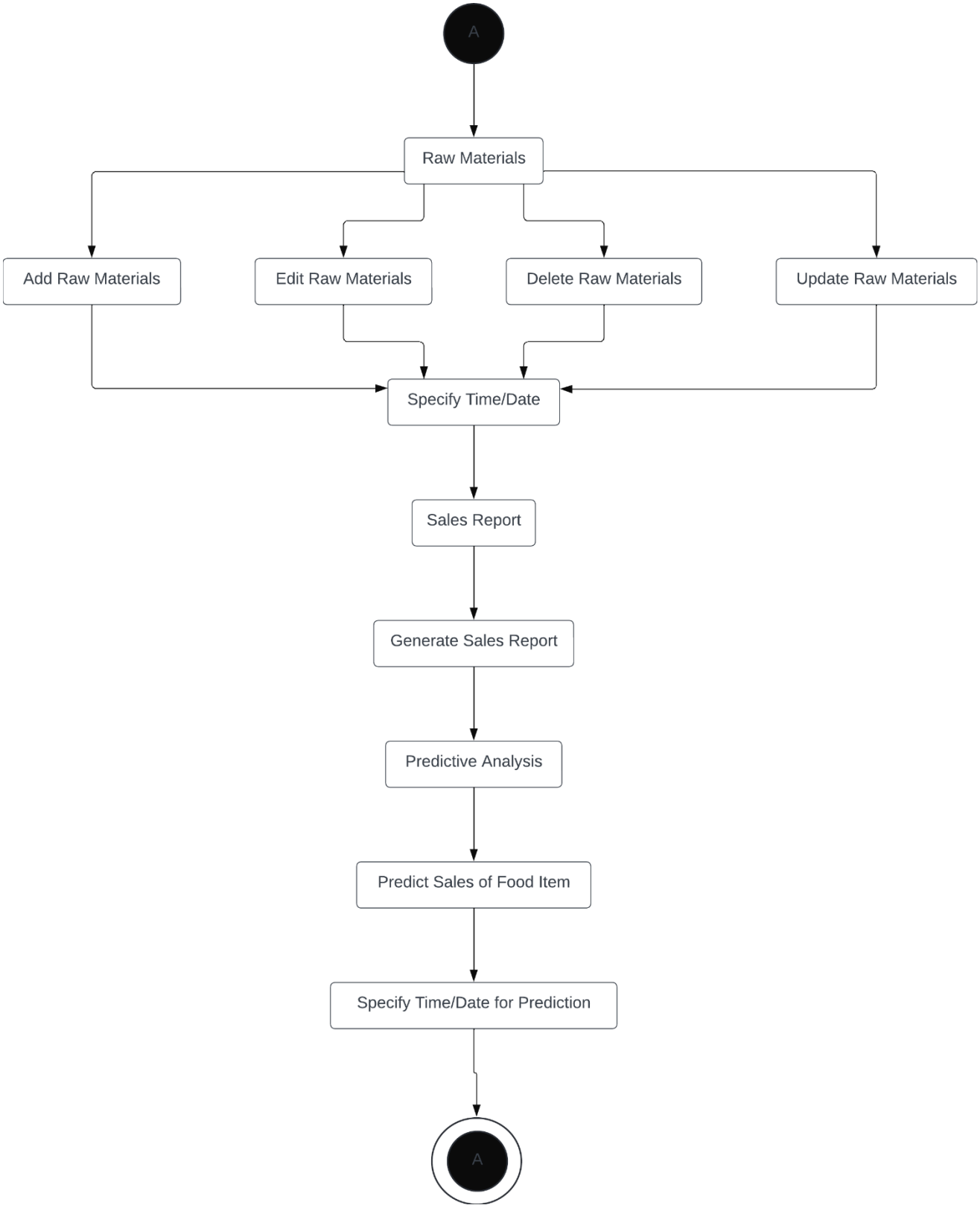
Collaboration Diagram:



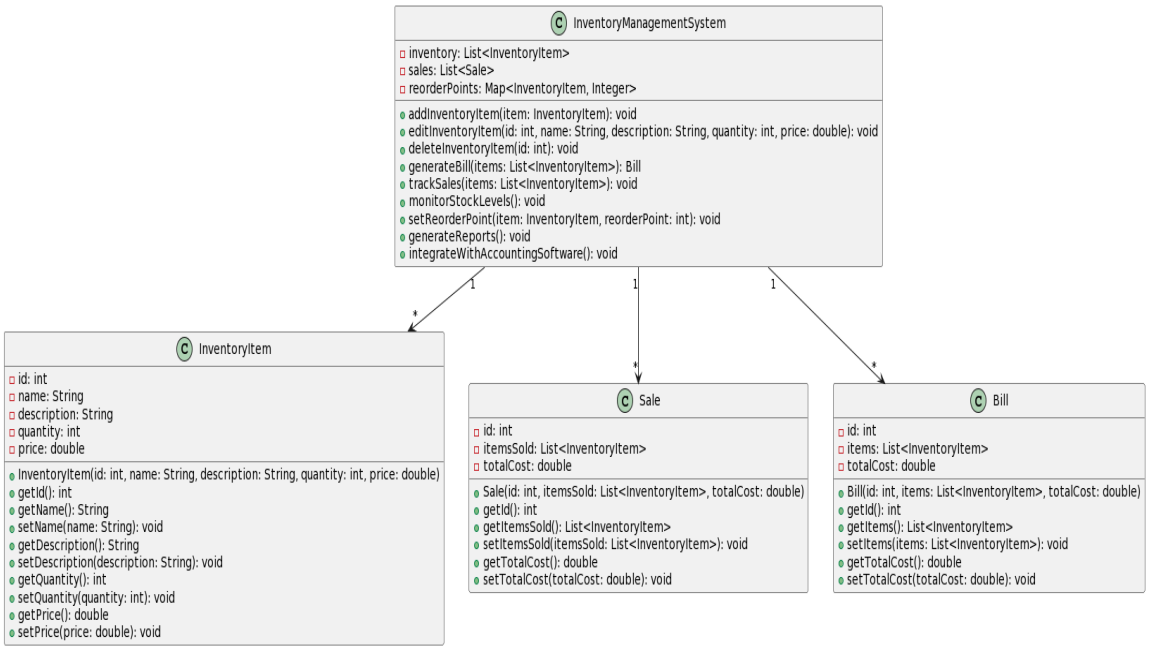
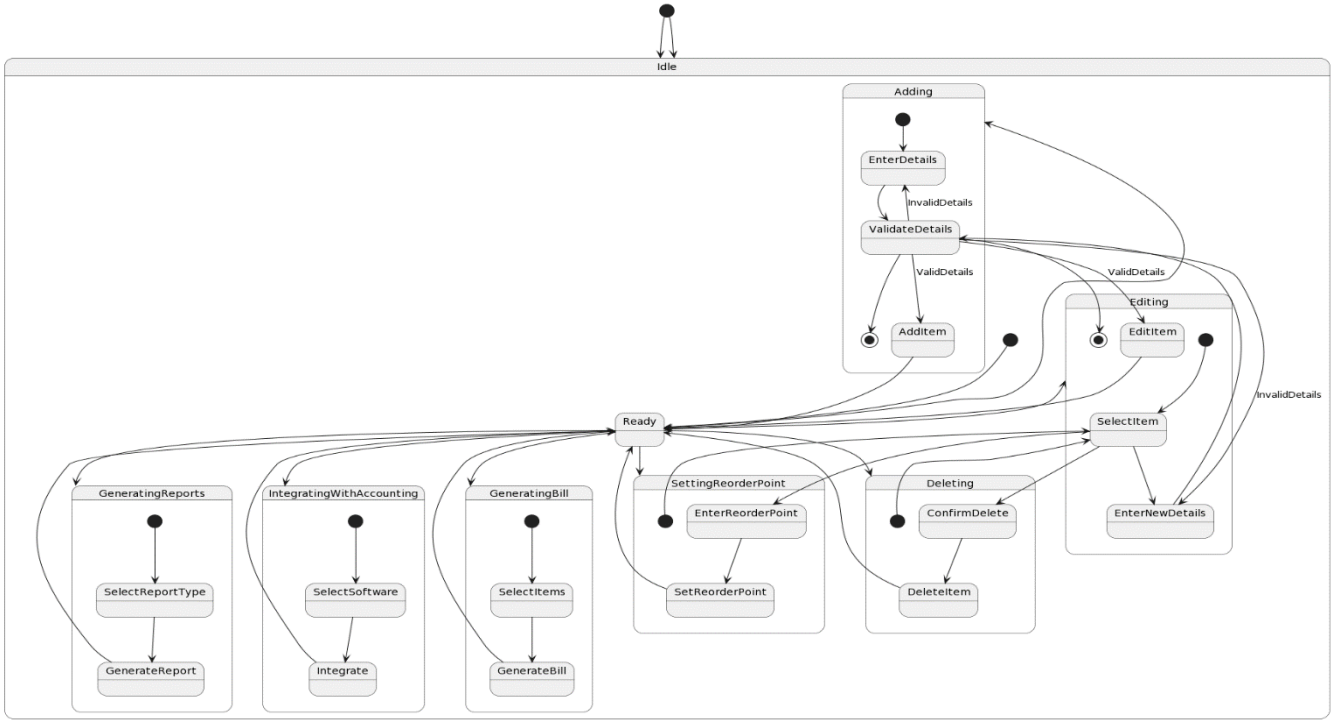
Sequence Diagram:


User
InventoryManagementSystem
InventoryItem
Sale
Bill
I
Selects operation
Perform selected operation
Provides item details
Create item
Item created
[alt Operation is Edit]
Selects item to edit
Get item details
Item details
Modifies item details
Update item
Item updated
[alt Operation is Delete]
Selects item to delete
Get item details
Item details
Delete item
Item deleted
[alt Operation is Generate Bill]
Selects items for billing
Create sale
Sale created
Calculate total cost
Generate bill
Bill generated
[alt Operation is Track Sales]
Track items sold
Get sales records
Sales records
[alt Operation is Monitor Stock Levels]
Check stock levels
alt
[Stock levels are low]
Send reorder notification
Continue monitoring
User
InventoryManagementSystem
InventoryItem
Sale
Bill
I

Activity Diagram:



Class Diagram:



State Diagram: